## ME SEMI COCCTS CIVIL NOU DEC 2016 RRRS 15/12/16

Q.P. Code: 831001

		(3 Hours) [ Total Warks : 80	U
N.	В.:	(1) Attempt any four questions.	
		(2) Legible handwriting and practical examples will be appreciated.	(
1.	A	ttempt any four:	0
		<ul> <li>(a) Write short note on an over view of present repair practices of RCC structures.</li> </ul>	
		(b) What are important factors to be considered for selection of repair methods.	
		(c) Write a note on types of cracks and their pattern.	
		(d) Differentiate between destructive and non-destructive testing.	
		(e) Draw a neat labelled diagram of process of condition survey.	
2.		Explain in detail netions in a series	0
	(b)	How repairs are classified. Give the details of general observations for each 1	0
		class of repair required.	
	98		
3.	(a)	Explain complete test procedure of conducting following non-destructive 1	(
		test in the field (Any One):	(
		(i) Rebound Hammer Test	
		(ii) Ultrasonic Pulse velocity Test	
	(b)	Explain plate bonding technique with neat sketches.	
1	(0)	Write explanatory note on fire damage assessment of concrete structure.	1(
4.	(a)		1
	(b)	Write explanatory note on post repair inspection.	. •
5.	(a)	Explain steel jacketing technique OR RCC jacketing technique.	1 (
	(b)	Write explanatory note on shotcreting.	1 (
6	(a)	Write explanatory note on base isolation technique.	1 (
U.	(b)	Write explanatory note on special care in repair and rehabilitation of heritage	11

structures.